

A simple user guide for ViTBAT

See also a video at <http://vitbat.weebly.com/>

(a). Upload video:

- use 'open video' button (currently it uploads avi and mp4 files)
- If previously annotated file(s) exist for a particular video, it will request the user whether to upload or not the existing annotations.
- While uploading the video you will be asked to choose state representation (either point-based or bounding-box (rectangle) based). Choose the one appropriate for your application.

(b). Annotation of individual target's states:

- Use the button '**+new target**' in the individual state panel to create new target and place the mouse button on the image for drawing the state.
- Use '**Play/stop**' button to navigate through the video and select key-frames and the tool will perform interpolation between the minimum and maximum key frame states.

(c). Annotation of group states:

- Make sure that group members' individual states are already annotated.
- Use the button '**+new group**' to create new group and select the group members.
- To start group annotation press the '**start annotate**' button and play the video up to the point the group annotation is to be done. At the desired end of group frame, press '**end annotation**' to complete the annotation.
- Using the edit button you can add new group members or remove old members at the desired frame.

(d). Behavior annotation:

- Use the **radio buttons** 'individual' or 'group' to select the type of behavior annotation.
- Define new behavior labels using '**+new behavior**' button. Defined behaviors can be edited using the editor button.
- To start annotation of individual (group) behavior select the desired **ID** in the individual (group) panel and the desired behavior label in the '**behavior List**'. Once the individual (group) id and behavior are selected use the '**start annotation**' button to start the annotation and play up to the desired end of behavior frame. At the end of the behavior frame press '**end annotation**' to complete the behavior annotation.
- The color of 'behavior' plot is similar to the color of the target (group) state color.

(e). Annotated state and behavior plot visualization

- Select the '**set up**' in the parameters menu and set desired parameters value for better visualization of annotations.
- Use the **zoom in** or **out** in the tool bar to play (see) zoomed version of the video

(f). Save

- to save annotations using '**save annotations**' in the **File** menu
- to save the annotated video use '**save annotated video**' in the **File** menu